ERIC KEARNEY

Software Engineer

CONTACT

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EXPERIENCE

RAYTHEON TECHNOLOGIES – AURORA, CO

Nov. 2021 – Present **Joint Polar Satellite System** **Software Engineer**
Supported after release, responsibilities included bug-fixing, code cleanup, and reconfiguring various subsystems to dynamically meet customer needs.

Mar. 2021 – Nov. 2021 **HP Replacement of IBM Products** **Scurm Master**
Served as a Scrum master to the completion of a server infrastructure migration project. Responsibilites included running daily standups, flowing progress up the proper lines of communication, and quickly eliminating blockers for developers.

Aug. 2019 – Mar. 2021 **GPS-OCX** **Software Engineer / Discrepency Report Lead**
Served as a test engineer and debugger. Processed reported issues and discrepencies into work orders. Identified high priority issues and helped determine which engineer(s) would be best suited to each task.

HIGHLIGHTED PROJECTS

Jan. 2022 - May 2022 **Graduate-level Machine Learning Term Project** **Reinforcement Learning**
- Created a model that determines optimal bets to maximize returns based on the state of the deck using the Hi-Lo card counting strategy.
- Developed in a Jupyter notebook using PyTorch and a Kaggle dataset.

Jan. 2022 - May 2022 **Graduate-level Big Data Term Project** **Data Science**
- Worked with a small team to create a model that predicts IMDB ratings, Rotten Tomatoes user and critic score, and Box Office performance of movies.
- Written in Python using PyTorch and deployed on Apache Spark.
- Manipulated data obtained from multiple sources and joined them into a single appropriate and useful data table.

Jan. 2019 - May 2019 **Undergraduate-level Digital Image Processing** **Computer Vision**
- Implemented face detection, edge detection/sharpening, noise/lighting correciton, facial recognition, and visual saliency calculation across images.
- Wrote a simple model to analyze driving footage and automatically detect crashes in said footage.

EDUCATION

Jan. 2022 – Dec. 2025 (expected) **Master's in Computer Science** **Colorado State University**
- GPA: 3.67
- Focus on Machine Learning and Data Science

Jan. 2017 – May 2019 **Bachelor's in Computer Science** **Metropolitan State University of Denver**
- GPA: 4.00
- Graduated Summa Cum Laude and with Highest Honors
- Awarded by the department of Mathematics and Computer Science for "Exceptional accomplishments in Computer Science"

LANGUAGES

Python (PyTorch, NumPy, Pandas, Flask, OpenCV)
Java (Gradle, JSF, JUnit)
SQL (PostgresQL, MySQL, SQLite)

DEVELOPMENT TOOLS

Continuous Integration (Git, Jenkins)
Linux Administration (Fedora/Red Hat)
Jira, Confluence, Docker